EUROMOLD

Medium Voltage Smart Connectors & Adapters For ABB Sensors

Catalogue 2026

Nexans
ELECTRIFY THE FUTURE

NEXANS ACCESSORIES

An essential link in energy systems

The future will be electric. The present already is. As electrification gathers paces, network operators are undertaking large-scale projects to extend and modernize the grids. These projects require a wide range of power accessories. Nexans is a leading manufacturer and distributor in this field since more than 60 years, supplying a full range of power accessories to our global customers in about 100 countries.

We connect all types of cables, for Low, High and Medium Voltage installations, and all types of conductors with any cross-section. We provide underground cable junctions, and connect cables to various types of equipment, including transformers and switchgear. Our products are used on both onshore and offshore networks, on wind and solar farms, or in data centers for example.

Our range of products includes EUROMOLD® connectors, our cutting-edge EPDM technology, known for its exceptional performance and reliability. We also provide Cold- and Heat-Shrinkable joints and terminations, developed to be always easier to install and reliable. We pre-assemble ready to install jumpers. And our extensive range of GPH® ferrules and lugs, designed to meet the highest standards of quality and durability, are embodied in all our accessories kits or delivered separately.

Nexans is committed to delivering innovative solutions and top-notch products in the field of electrical connections and accessories.

Together, we have the power to electrify the future!

Laboratory accreditation

Since June 2000, Nexans independent ELAB laboratory obtained the BELAC accreditation no.144-TEST conform with the European standards for laboratories ISO 17025 for electrical testing of low and medium voltage cable accessories according to the international standards EN 50393, IEC 60502-4, IEC 61442 and HD 629.

ISO Certificate

Since 1992, Nexans commitment to quality and sustainable development is demonstrated by its ISO 9001 and ISO 14001 certifications.

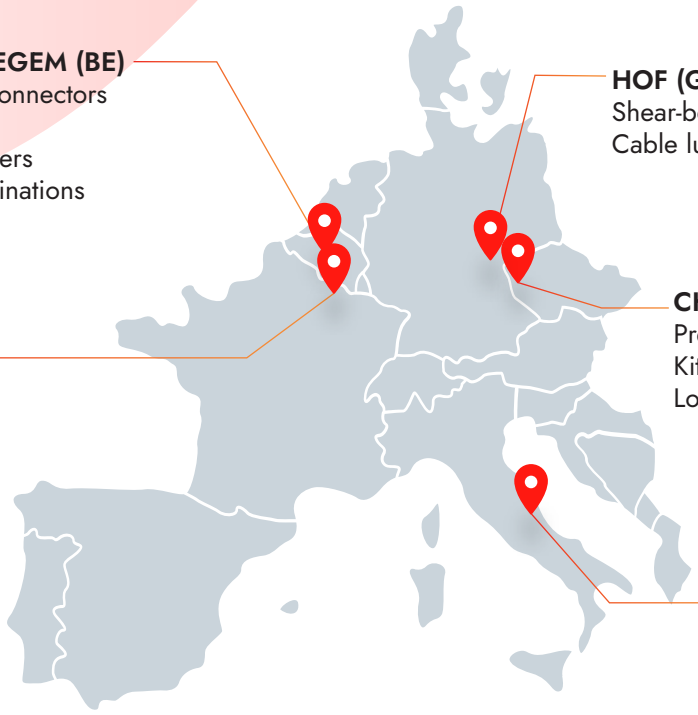
At Nexans, we are proud of our manufacturing and kitting sites

EREMBODEGEM (BE)
Separable connectors
Bushings
Surge arresters
Slip-on terminations

HOF (GE)
Shear-bolt connectors
Cable lugs

CHEB (CZ)
Pre-assembled jumpers
Kitting
Logistic center

DONCHERY (FR)
Cold-Shrink joints
Cold-Shrink terminations



OFFIDA (IT)
Heat-Shrink joints
Heat-Shrink terminations
Mastics

MEDIUM VOLTAGE
SEPARABLE CONNECTORS

- Produced in **Europe**
- 100% routine tested
- Only **high-quality material** is used
- Made **100% of EPDM** rubber
- All connectors are tested conform to the **CENELEC HD629.1 standard**. Test reports available upon demand
- Degree of protection **IP67**: dust tight & immersion in water

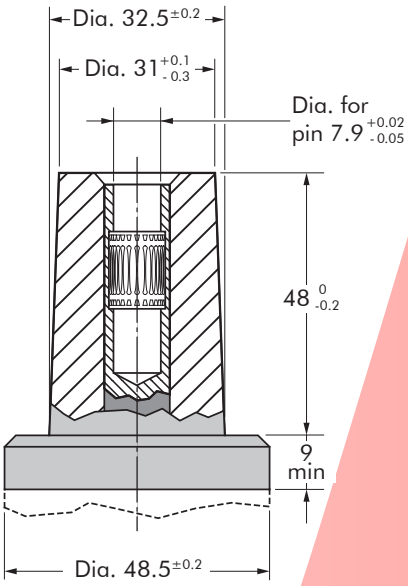
- A complete range **(12 kV - 42 kV)**
- For cross sections from **16 mm² to 1200 mm²**
- Temperature range from **-60 °C to +130 °C**
- A range of associated coupling connectors and surge arresters all with compact design
- Maintenance free after correct installation.

MEDIUM VOLTAGE
SMART CONNECTORS & ADAPTERS

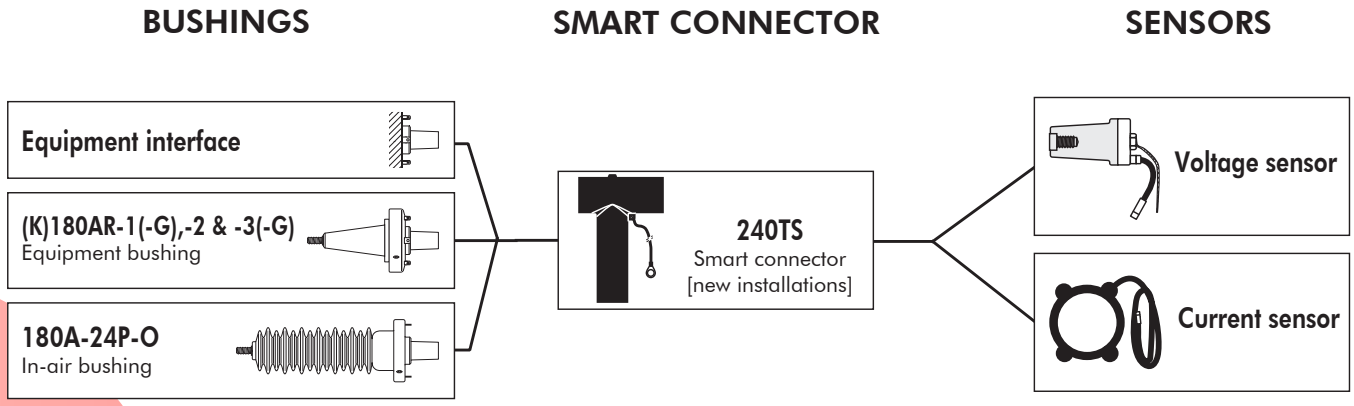
TABLE OF CONTENTS

INTERFACE A1

Dimensions according to European CENELEC EN 50180 and 50181 (in mm).



CONNECTING POSSIBILITIES – INTERFACE A



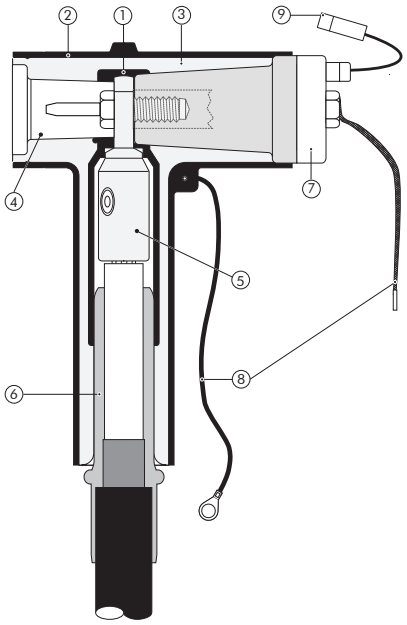
240TS WITH ABB VOLTAGE & CURRENT SENSORS

INTERFACE A
SMART CONNECTOR

APPLICATION
Voltage and/or current measurement sensors on medium voltage connectors attached to equipment (transformers, switchgear, motors,...).
Sensor can be interfaced with any IEC 61869-10 and IEC 61869-11 compliant Intelligent Electronic Device (IED) for protection and monitoring or other compatible application.

TECHNICAL CHARACTERISTICS
- High combined accuracy class of 0.5/3P for voltage measurement and 0.5/5P630 for current measurement.
- Fully certified mechanical and electrical assembly supported by joint qualification according to HD629.1.

DESIGN
Separable connector comprising:
1. Conductive EPDM insert.
2. Conductive EPDM jacket.
3. Insulating EPDM layer
4. Type A interface as described by CENELEC EN 50180 and 50181.
5. Conductor contact.
6. Cable reducer.
7. ABB KEVA voltage sensor.
8. Earthing lead.
9. Sensor secondary cable.



6/10 (12) kV
6.35/11 (12) kV
8.7/15 (17.5) kV
12/20 (24) kV
12.7/22 (24) kV

Up to 24 kV - 250 A

EUROMOLD

SPECIFICATIONS AND STANDARDS
The 240TS separable connector meets the requirements of CENELEC HD 629.1.
The KEVA and KECA sensors meet the requirements of IEC61869-10 and -11.

Connector model	Voltage measurment		
	Model	Voltage Um (kV)	Type
240TS	KEVA 24 C10	Up to 24	Resistive divider
	KEVA 24 C10c		Resistive divider, conductive surface

Current measurment		
Model	Max application current (A)	Type
KECA 80 C85	4000	Closed core Rogowski
KECA 80 D85	4000	Split core Rogowski

KIT CONTENTS

Kit configuration may change for different apllications, please contact us for a customized offer.

The kit also comprises lubricant, wipers, installation instructions and crimp chart.

1 x 240TS + KEVA + KECA Smart connector kit

Connector kit K240TS/G

KECA Current sensor AND/OR KEVA Voltage sensor

Sensor secondary cable

ORDERING INSTRUCTIONS

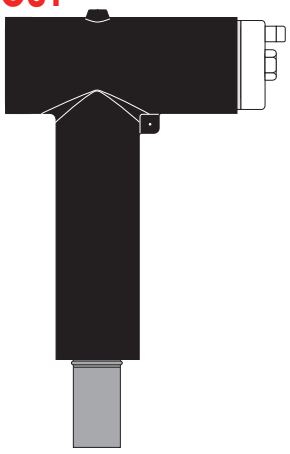
To order the right connector or sensor for your application, refer to the specific catalog pages.

SENSOR ASSEMBLY

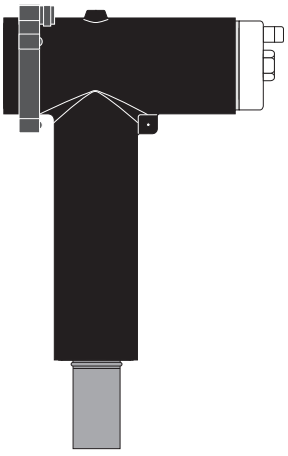
Current sensor KECA 80 C85 shall be installed on shielded head of cable connector using clamping system. Current sensor KECA 80 D85 shall be installed on shielded cable using a clamping system which allows assembly on different diameters of MV cable. Voltage sensors KEVA C are assembled as would an insulating plug in cable connectors.

Characteristic	Voltage sensor	Current sensor	
		Split core	Closed core
Model	**KEVA 24 C10(c)**	**KECA 80 D85**	**KECA 80 C85**
Rated primary voltage/current	up to 22/√3 kV	80A	
Rated frequency	50/60Hz		
Accuracy class	0,5/3P	0,5P/5P630	
Rated burden	2 MOhm / 50 pF		
Rated transformation ratio	1:10000 V/V	80A/150mV @50Hz 80A/180mV @60Hz	
Inner diameter	-	85 mm	
Secondary cable length	5 m		
Plug type	RJ45		

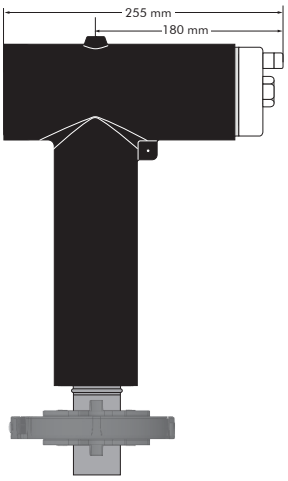
LAYOUT



240TS + KEVA 24 C10

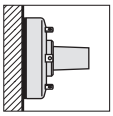


240TS + KEVA 24 C10 + KECA 80 C85



240TS + KEVA 24 C10 + KECA 80 D85

Rated voltage 12/20 (24) kV



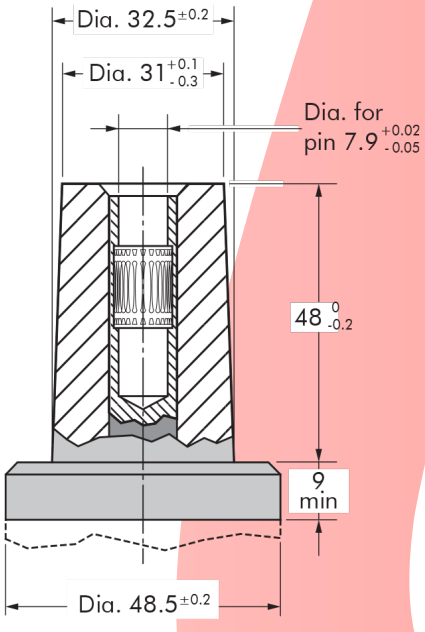
Interface A (250A)

For other cables length and custom applications. Please contact our representative.

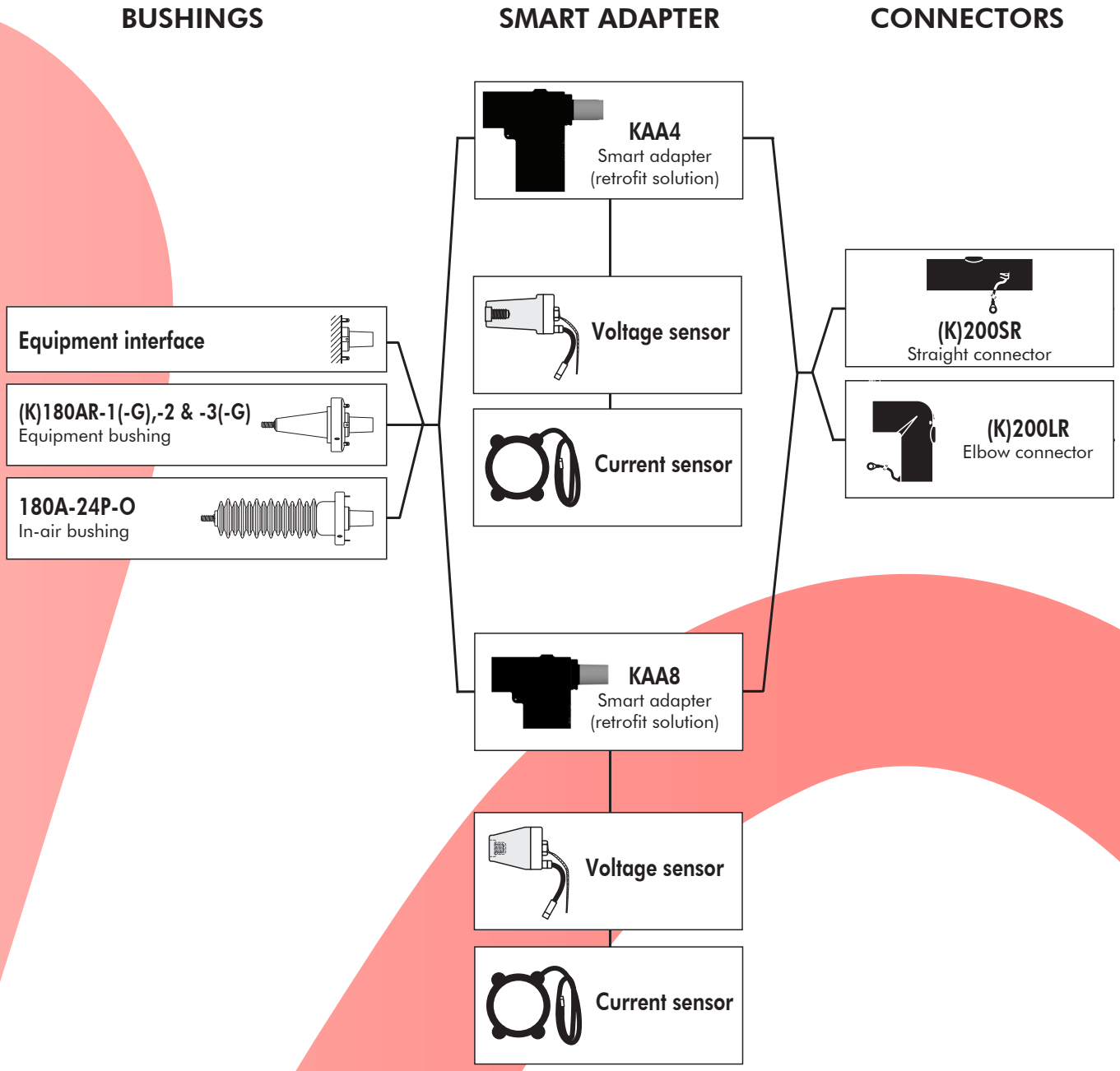
Components can be ordered individually.

INTERFACE A1

Dimensions according to European CENELEC EN 50180 and 50181 (in mm).



CONNECTING POSSIBILITIES – INTERFACE A



KAA4 AND KAA8 SMART ADAPTER WITH ABB VOLTAGE & CURRENT SENSORS

INTERFACE A
SMART ADAPTER

APPLICATION

Intelligent adapter factory fitted with voltage sensor enabling a unique solution for voltage measurement.
Designed for easy installation on MV/LV transformers, for new implantations or retrofiting. For retrofit applications, the KAA4/ KAA8 smart adapter can be inserted between the equipment bushing and an existing interface A connector, requiring no cable modification. To be used with Interface A 250 A separable connectors and equipment bushings.
Sensor can be interfaced with any IEC 61869-10 and IEC 61869-11 compliant Intelligent Electronic Device (IED) for protection and monitoring or other compatible application.

DESIGN

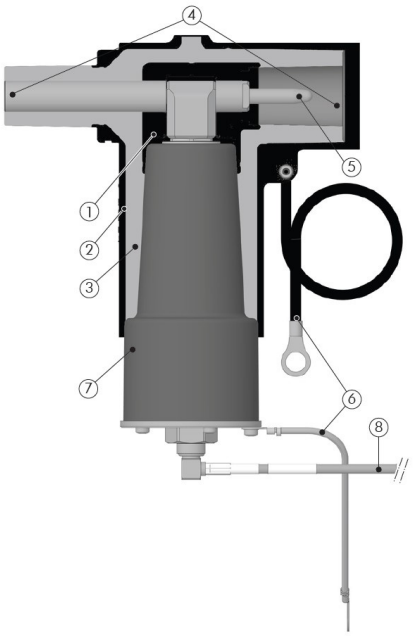
Smart Adapter comprising:
1. Conductive EPDM insert.
2. Conductive EPDM jacket.
3. Insulating EPDM layer.
4. Type A interface as described by CENELEC EN 50180 and 50181.
5. Conductor contact.
6. Earthing lead.
7. ABB KEVA voltage sensor.
8. Sensor secondary cable.

SPECIFICATIONS AND CABLE STANDARDS

The KAA smart adapter meets the requirements of CENELEC HD 629.1.
The KEVA and KECA sensors meet the requirements of IEC61869-10 and -11.

TECHNICAL CHARACTERISTICS

- High combined accuracy class of 0.5/3P for voltage measurement and 0.5/5P630 for current measurement.
- Fully certified mechanical and electrical assembly supported by joint qualification according to HD629.1.



6/10 (12) kV
6.35/11 (12) kV
8.7/15 (17.5) kV
12/20 (24) kV
12.7/22 (24) kV

Up to 24 kV - 250 A

EUROMOLD

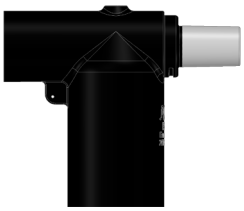
Smart adapter model	Voltage measurement		
	Model	Voltage Um (kV)	Type
KAA4	KEVA 24 C10	up to 24 kV	Resistive divider
	KEVA 24 C10c		Resistive divider, conductive surface
KAA8	KEVA 24 C2 4.1		Resistive divider
	KEVA 24 C2 4.1c		Resistive divider, conductive surface

Current measurement		
Model	Max Application Current (A)	Type
KECA 80 D85	4000	Split core Rogowski
KECA 80 C85	4000	Closed core Rogowski

KIT CONTENTS

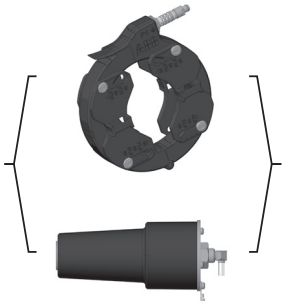
Kit configuration may change for different apllications, please contact us for a customized offer.

The kit also comprises lubricant, wipers and installation instructions.



KAA4/KAA8
Smart adapter

+



KECA Current sensor
AND/OR
KEVA Voltage sensor

+

Sensor secondary cable

= 1 x KAAx/G + KEVA + KECA smart adapter kit

ORDERING INSTRUCTIONS

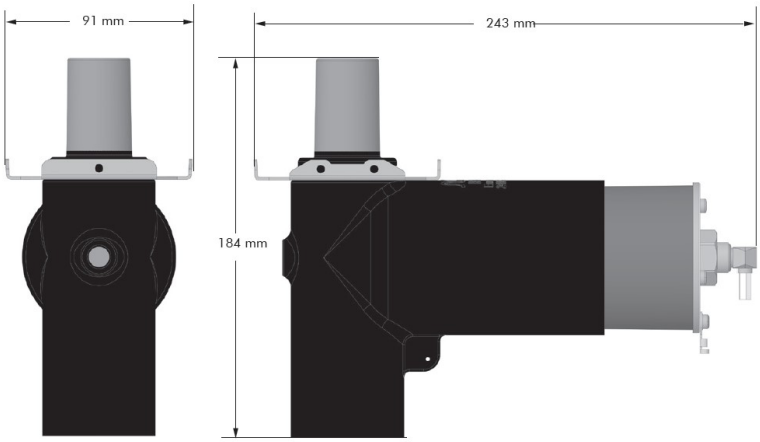
To order the right adapter or sensor for your application, refer to their specific catalog pages.

SENSOR ASSEMBLY

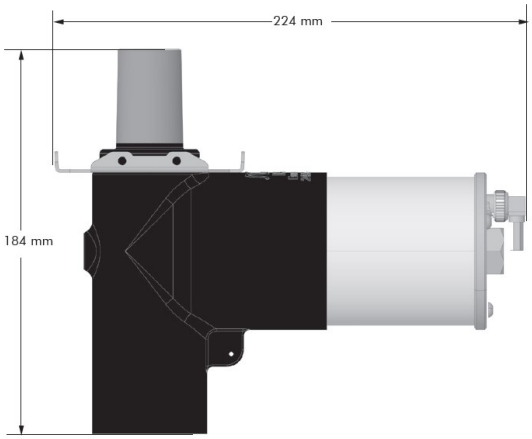
Current sensor KECA 80 D85 shall be installed on shielded cable using a clamping system which allows assembly on different diameters of MV cable. Voltage sensors KEVA C are assembled as would an insulating plug in cable connectors.

Characteristic	Voltage sensor	Current sensor
		Split core
Model	**KEVA 24 Cxx**	**KECA 80 D85**
Rated primary voltage/current	up to 22/√3 kV	80A
Rated frequency	50/60Hz	
Accuracy class	0,5/3P	0,5P/5P630
Rated burden	2 MOhm/ 50 pF or	2M Ω/ 50 pF
Rated transformation ratio	1:10000 V/V	80A/150mV @50Hz 80A/180mV @60Hz
Inner diameter	-	85 mm
Secondary cable length	5 m	
Plug type	RJ45	RJ45

LAYOUT

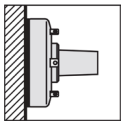


KAA4 + KEVA 24 C10



KAA8 + KEVA 24 C2 4.1C

Rated voltage
Up to 24 kV



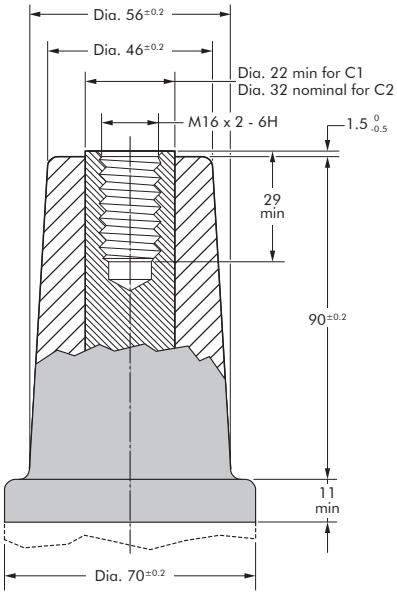
Interface A
(250A)

For other cables length and custom applications. Please contact our representative.

Components can be ordered individually.

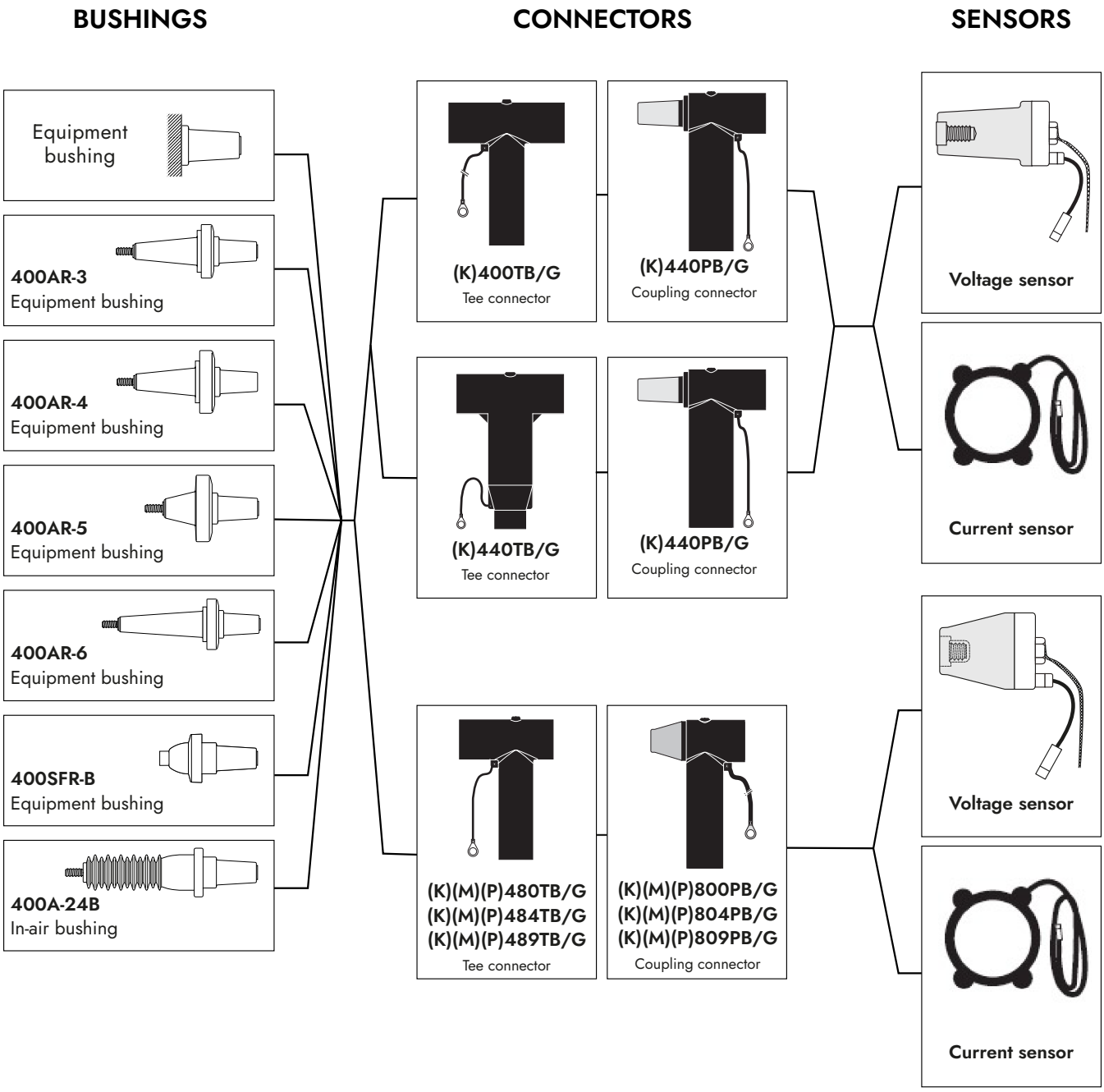
INTERFACE C1 & C2

Dimensions according to European CENELEC EN 50180 and 50181 (in mm).



In mm.

CONNECTING POSSIBILITIES – INTERFACE C



400TB, 440TB, 440PB & 400PB-10SA WITH ABB VOLTAGE & CURRENT SENSORS

INTERFACE C
SMART CONNECTOR

APPLICATION

Voltage and/or current measurment sensors on medium voltage connectors attached to equipment (transformers, switchgear, motors,...).
Sensor can be interfaced with any IEC 61869-10 and IEC 61869-11 compliant Intelligent Electronic Device (IED) for protection and monitoring or other compatible application.

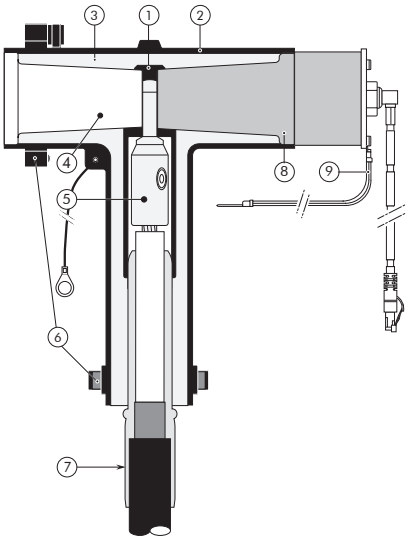
TECHNICAL CHARACTERISTICS

- High combined accuracy class of 0.5/3P for voltage measurement and 0.5/5P630 for current measurement.
- Fully certified mechanical and electrical assembly supported by joint qualification according to HD629.1.

DESIGN

Separable connector comprising:

1. Conductive EPDM insert.
2. Conductive EPDM jacket.
3. Insulating EPDM layer.
4. Type C interface as described by CENELEC EN 50180 and 50181.
5. Conductor contact.
6. ABB KECA current sensor.
7. Cable reducer.
8. ABB KEVA voltage sensor.
9. Earthing lead.



6/10 (12) kV
6.35/11 (12) kV
8.7/15 (17.5) kV
12/20 (24) kV
12.7/22 (24) kV

Up to 24 kV - 1250 A

EUROMOLD

SPECIFICATIONS AND STANDARDS

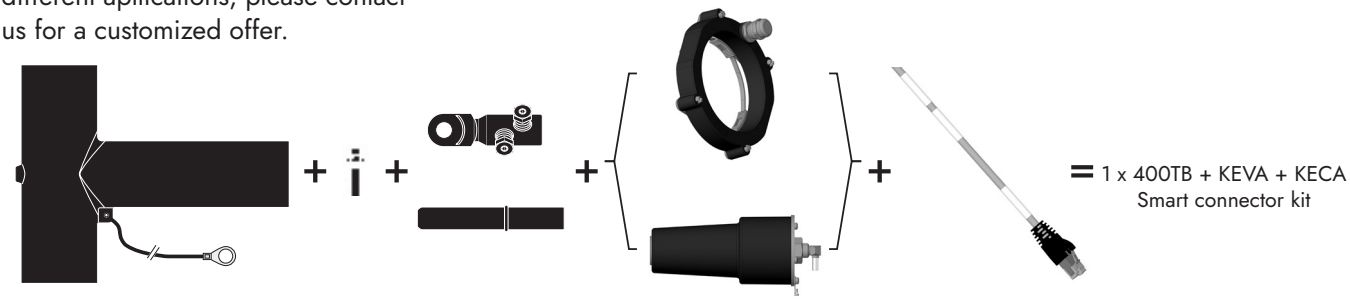
The 400TB separable connector meets the requirements of CENELEC HD 629.1.
The KEVA and KECA sensors meet the requirements of IEC61869-10 and -11.

Connector model	Voltage measurement			Current measurement		
	Model	Voltage Um (kV)	Type	Model	Max application current (A)	Type
(K)400TB/G (K)440TB/G (K)440PB/G 400PB-10SA	KEVA 24 C10	Up to 24	Resistive divider	KECA 80 C85	4000	Closed core Rogowski
	KEVA 24 C10c		Resistive divider, conductive surface	KECA 80 D85	4000	Split core Rogowski

KIT CONTENTS

Kit configuration may change for different apllications, please contact us for a customized offer.

The kit also comprises lubricant, wipers, installation instructions and crimp chart.



= 1 x 400TB + KEVA + KECA Smart connector kit

Connector kit (K)400TB/G

KECA Current sensor AND/OR KEVA Voltage sensor

Sensor secondary cable

ORDERING INSTRUCTIONS

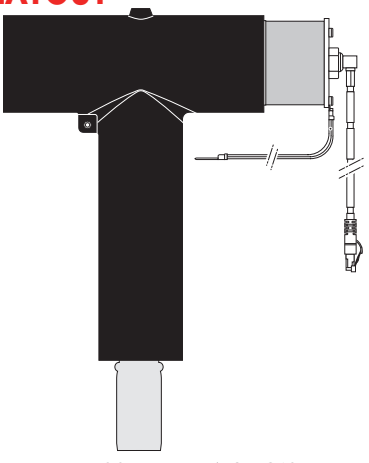
To order the right connector or sensor for your application, refer to the specific catalog pages.

SENSOR ASSEMBLY

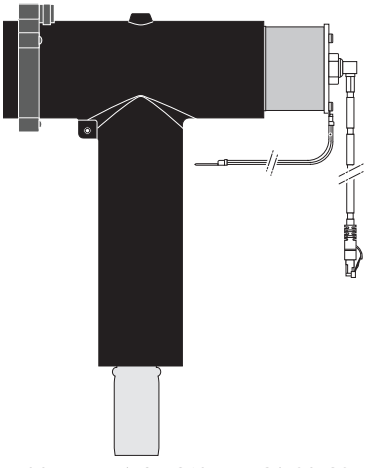
Current sensor KECA 80 C85 shall be installed on shielded head of cable connector using clamping system. Current sensor KECA 80 D85 shall be installed on shielded cable using a clamping system which allows assembly on different diameters of MV cable. Voltage sensors KEVA C are assembled as would an insulating plug in cable connectors.

Characteristic	Voltage sensor	Current sensor	
		Split core	Closed core
Model	**KEVA 24 C10(c)**	**KECA 80 D85**	**KECA 80 C85**
Rated primary voltage/current	up to 22/√3 kV	80A	
Rated frequency	50/60Hz		
Accuracy class	0,5/3P	0,5P/5P630	
Rated burden	2 MOhm/ 50 pF		
Rated transformation ratio	1:10000 V/V	80A/150mV @50Hz 80A/180mV @60Hz	
Inner diameter	-	85 mm	
Secondary cable length	5 m		
Plug type	RJ45		

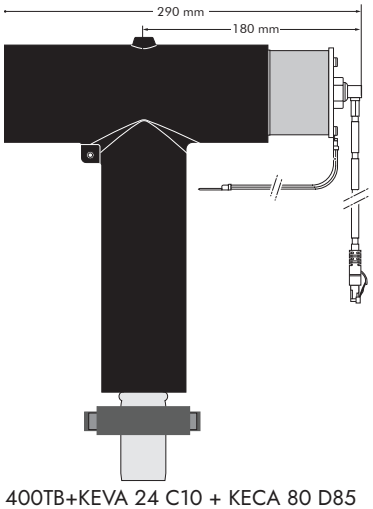
LAYOUT



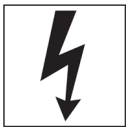
400TB + KEVA 24 C10



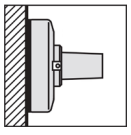
400TB+KEVA 24 C10 + KECA 80 C85



400TB+KEVA 24 C10 + KECA 80 D85



Rated voltage
Up to 24 kV



Interface C
(630A-1250A)

For other cables length and custom applications. Please contact our representative.

Components can be ordered individually.

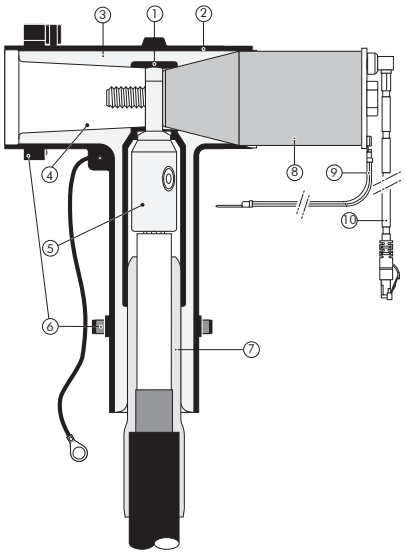
48XTB, 80XPB & 800SA WITH ABB VOLTAGE & CURRENT SENSORS

INTERFACE C
SMART CONNECTOR

APPLICATION
Voltage and/or current measurement sensors on medium voltage connectors attached to equipment (transformers, switchgear, motors,...).
Sensor can be interfaced with any IEC 61869-10 and IEC 61869-11 compliant Intelligent Electronic Device (IED) for protection and monitoring or other compatible application.

TECHNICAL CHARACTERISTICS
- High combined accuracy class of 0.5/3P for voltage measurement and 0.5/5P630 for current measurement.
- Fully certified mechanical and electrical assembly supported by joint qualification according to HD629.1.

DESIGN
Separable connector comprising:
1. Conductive EPDM insert.
2. Conductive EPDM jacket.
3. Insulating EPDM layer
4. Type C interface as described by CENELEC EN 50180 and 50181.
5. Conductor contact.
6. ABB KECA current sensor.
7. Cable reducer.
8. ABB KEVA voltage sensor.
9. Earthing lead.
10. Sensor secondary cable.



6/10 (12) kV
6.35/11 (12) kV
8.7/15 (17.5) kV
12/20 (24) kV
12.7/22 (24) kV
18/30 (36) kV
19/33 (36) kV
20.8/36 (42) kV

Up to 42 kV - 1250 A

EUROMOLD

SPECIFICATIONS AND STANDARDS
The 480TB separable connector meets the requirements of CENELEC HD 629.1.
The KEVA and KECA sensors meet the requirements of IEC61869-10 and -11.

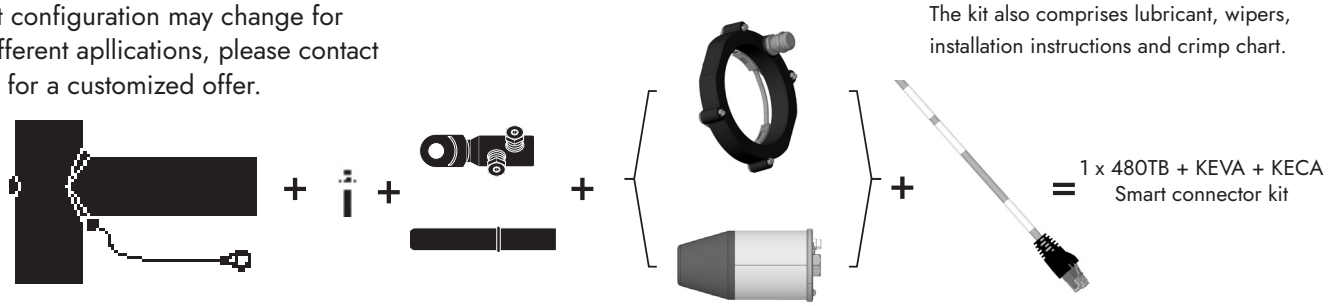
Connector model	Voltage measurement		
	Model	Voltage Um (kV)	Type
(K)(M)(P)480TB/G (K)(M)(P)484TB/G (K)(M)(P)489TB/G (K)(M)(P)800PB/G (K)(M)(P)804PB/G (K)(M)(P)809PB/G 800SA	KEVA 24 C2 4.1	Up to 24	Resistive divider
	KEVA 24 C2 4.1c		Resistive divider, conductive surface
	KEVA 36 C2 4.1	Up to 36	Resistive divider
	KEVA 36 C2 4.1c		Resistive divider, conductive surface
	KEVA 40.5 C2 4.1	Up to 42	Resistive divider
	KEVA 40.5 C2 4.1c		Resistive divider, conductive surface

Current measurement		
Model	Max application current (A)	Type
KECA 80 C85	4000	Closed core Rogowski
KECA 80 D85	4000	Split core Rogowski

KIT CONTENTS

Kit configuration may change for different apllications, please contact us for a customized offer.

The kit also comprises lubricant, wipers, installation instructions and crimp chart.



1 x 480TB + KEVA + KECA Smart connector kit

Connector kit (K)(M)(P)480TB/G

KECA Current sensor AND/OR KEVA Voltage sensor

Sensor secondary cable

ORDERING INSTRUCTIONS

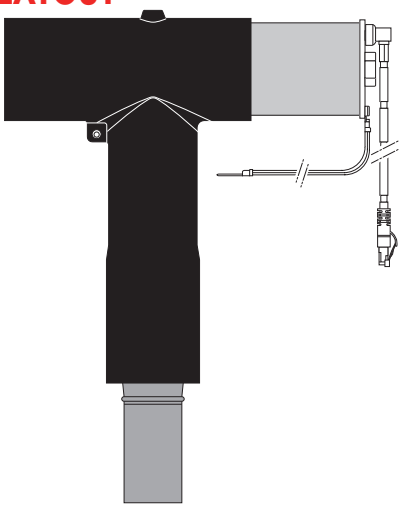
To order the right connector or sensor for your application, refer to the specific catalog pages.

SENSOR ASSEMBLY

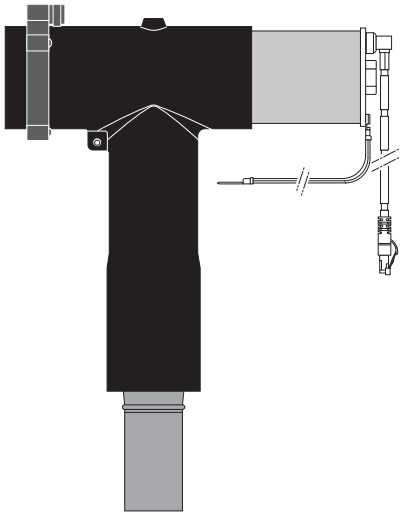
Current sensor KECA 80 C85 shall be installed on shielded head of cable connector using clamping system. Current sensor KECA 80 D85 shall be installed on shielded cable using a clamping system which allows assembly on different diameters of MV cable. Voltage sensors KEVA C are assembled as would an insulating plug in cable connectors.

Characteristic	Voltage sensor	Current sensor	
		Split core	Closed core
Model	**KEVA 24/36/40,5 C2 xx**	**KECA 80 D85**	**KECA 80 C85**
Rated primary voltage/current	up to 38/√3 kV	80A	
Rated frequency	50/60Hz		
Accuracy class	0,5/3P	0,5P/5P630	
Rated burden	2 MOhm / 50 pF		
Rated transformation ratio	1:10000 V/V	80A/150mV @50Hz 80A/180mV @60Hz	
Inner diameter	-	85 mm	
Secondary cable length	5 m		
Plug type	RJ45		

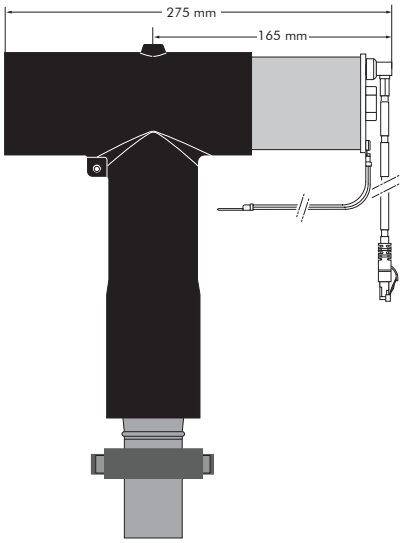
LAYOUT



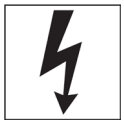
480TB + KEVA 24 C2 4.1c



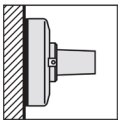
480TB + KEVA 24 C2 4.1c + KECA 80 C85



480TB + KEVA 24 C2 4.1c + KECA 80 D85



Rated voltage
Up to 42 kV



Interface C
(630A-1250A)

For other cables length and custom applications. Please contact our representative.

Components can be ordered individually.

About Nexans

For over a century, Nexans has played a crucial role in the electrification of the planet and is committed to electrifying the future. With approximately 28,500 people in 41 countries, the Group is paving the way to a new world of safe, sustainable and decarbonized electricity that is accessible to everyone. In 2023, Nexans generated 6.5 billion euros in standard sales. The Group is a leader in the design and manufacturing of cable systems and services across four main business areas: Power Generation & Transmission, Distribution, Usage and Industry & Solutions. Nexans was the first company in its industry to create a Foundation supporting sustainable initiatives, bringing access to energy to disadvantaged communities worldwide. The Group is recognized on the CDP Climate Change A List as a global leader on climate action and has committed to Net-Zero emissions by 2050 aligned with the Science Based Targets initiative (SBTi).

Nexans. Electrify the future.

Nexans is listed on Euronext Paris, compartment A.
For more information, please visit www.nexans.com

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